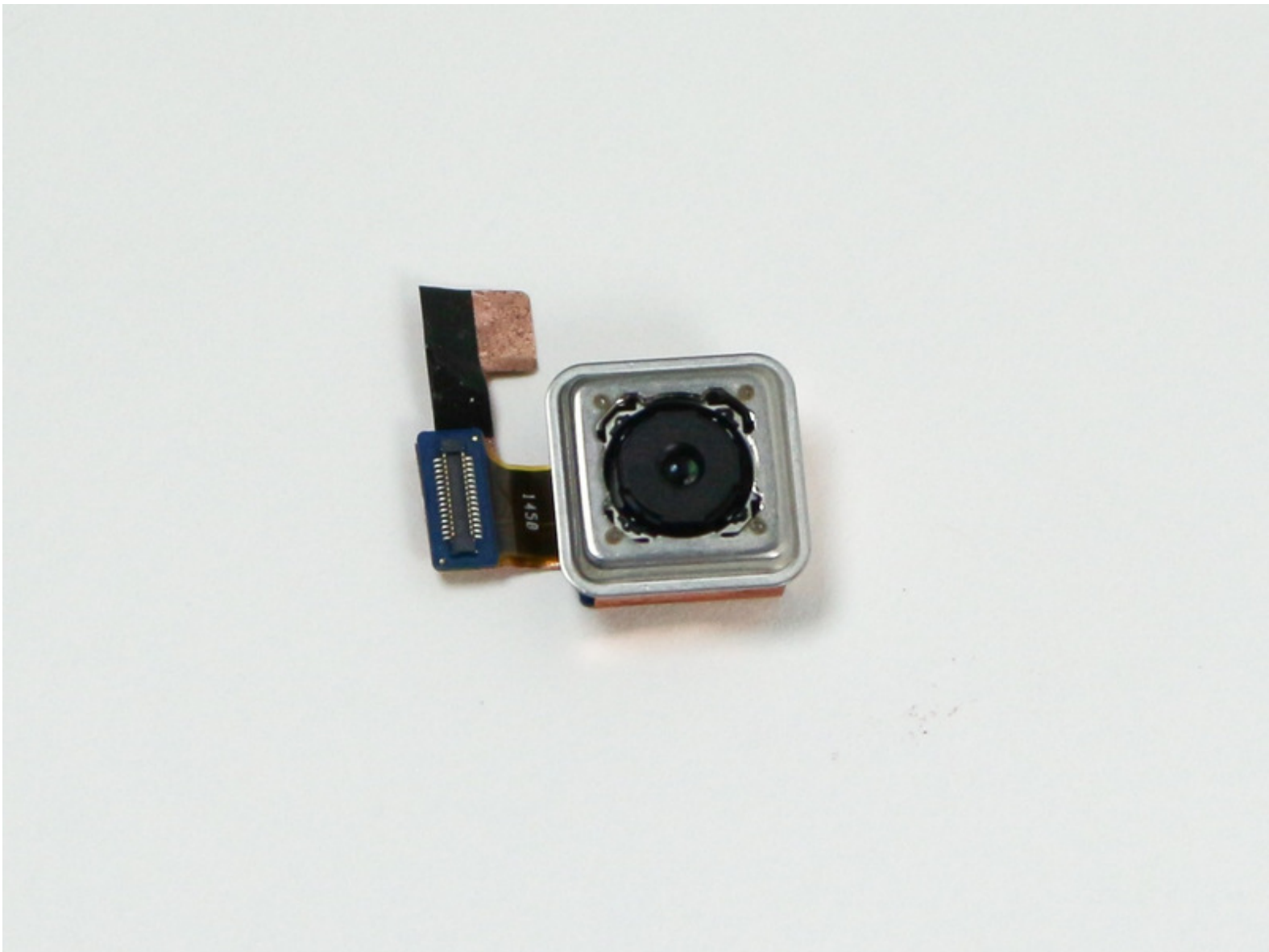




# HTC One M9 Rear Facing Camera Replacement

Fix cracked camera glass or a dysfunctional camera to make sure those precious moments are as clear as possible.

Written By: Michael Chan



## INTRODUCTION

Users will be able to replace their damaged camera and regain functionality. The camera replacement requires the removal of both the motherboard and the camera chip to remove the camera. Be careful not to damage any other components during the repair.



### TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [Spudger](#) (1)
- [iFixit Opening Tools](#) (1)
- [Tweezers](#) (1)
- [T5 Torx Screwdriver](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [SIM Card Eject Tool](#) (1)



### PARTS:

- [HTC One \(M9\) Rear Camera](#) (1)
- [HTC One \(M9\) Camera Board](#) (1)

## Step 1 — MicroSD Card



- Insert a SIM card eject tool or a paperclip into the small hole in the SIM card tray, located on the upper right hand side of the phone.
- Press to eject the tray.
  - ⓘ This may require a significant amount of force.
- ★ When reinserting the SIM card, ensure that it is in the proper orientation relative to the tray.

## Step 2 — SIM Card



- Insert a SIM card eject tool or a paperclip into the small hole in the SIM card tray, located on the lower right hand side of the phone.
- Press to eject the tray.
  - ⓘ This may require a significant amount of force.
- ★ When reinserting the SIM card, ensure that it is in the proper orientation relative to the tray.

## Step 3 — Rear Case



- Using a plastic opening pick or a spudger, gently pry and remove the top of the case.
- Remove the two 4mm T5 Torx screws on the top of the case.

## Step 4



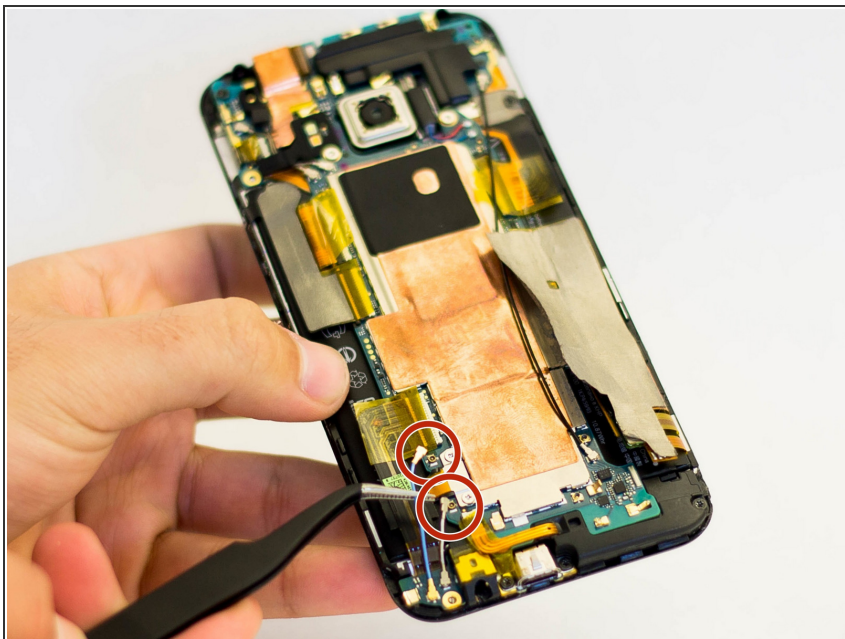
- Work a plastic opening pick around the perimeter of the device to separate the rear case from the display assembly.

⚠ Be careful around the power and volume buttons, as they are fairly delicate.

⚠ Be careful when separating the body from the display assembly, as the rear-facing camera may be stuck to the body with adhesive.

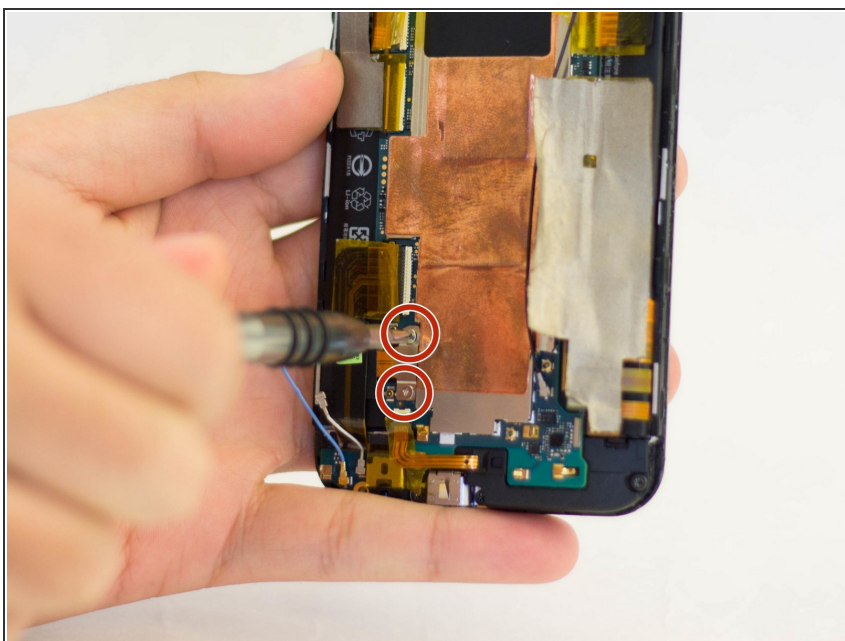


## Step 5 — Motherboard



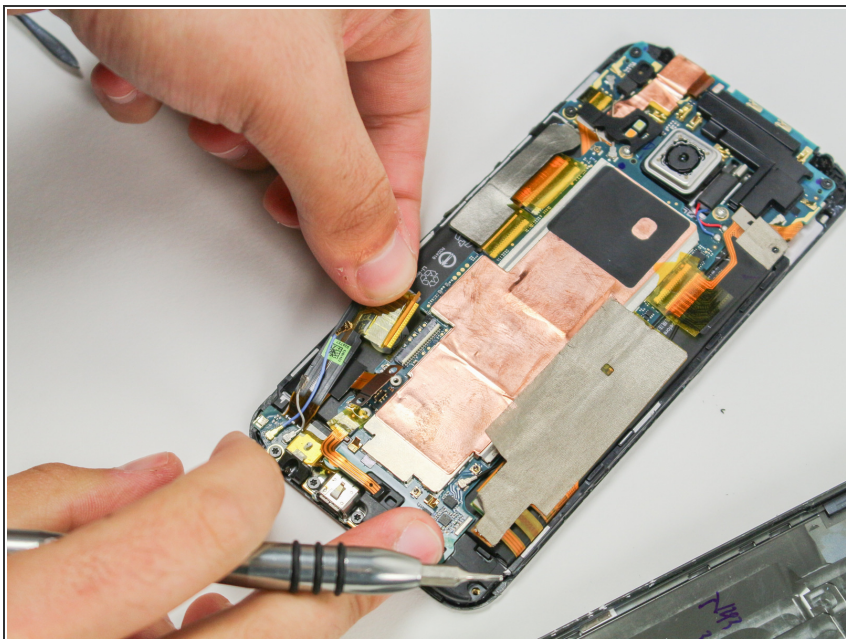
- Use a pair of tweezers to disconnect the blue and white antenna cables.

## Step 6



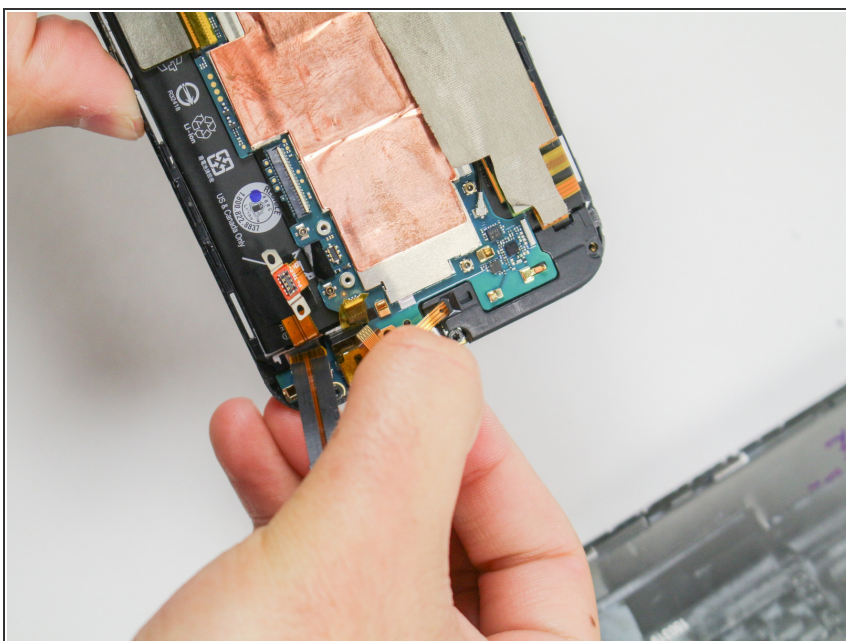
- Remove the two 1.5 mm Phillips screws securing the battery connector to the motherboard.

## Step 7



- Use your fingers or a spudger to disconnect the ZIF connector.

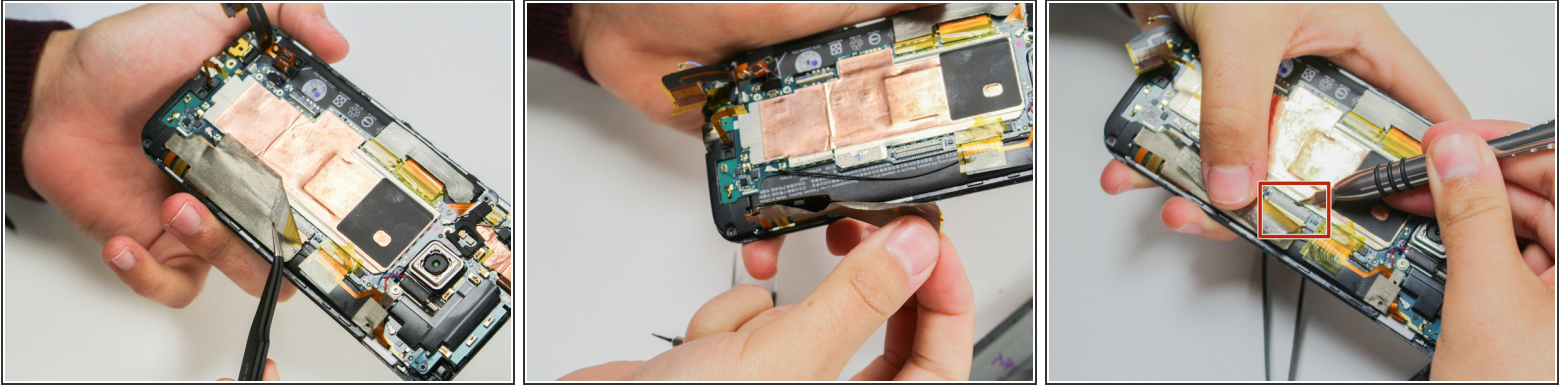
## Step 8



- Use a spudger to disconnect the bottom speaker ZIF connector.



## Step 9



- With the tweezers, carefully lift up on the tape covering the electrical strip shown in the picture.

⚠ Be careful with the tape, as it can tear easily.

- Use a spudger to disconnect the ZIF connector.

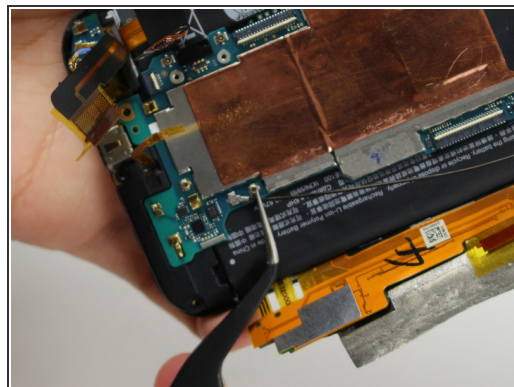
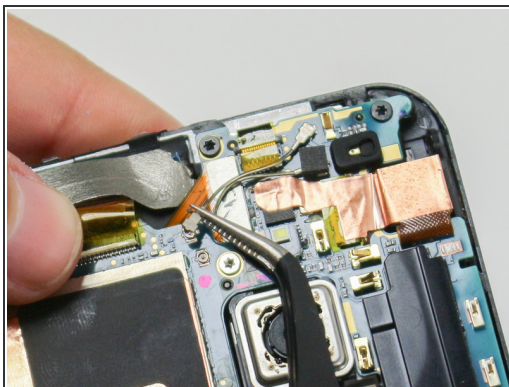
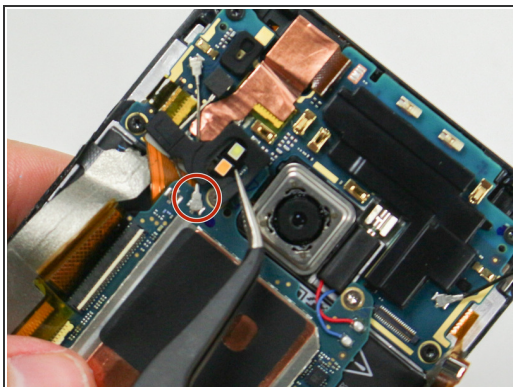
## Step 10



- Disconnect the remaining three ZIF connectors.

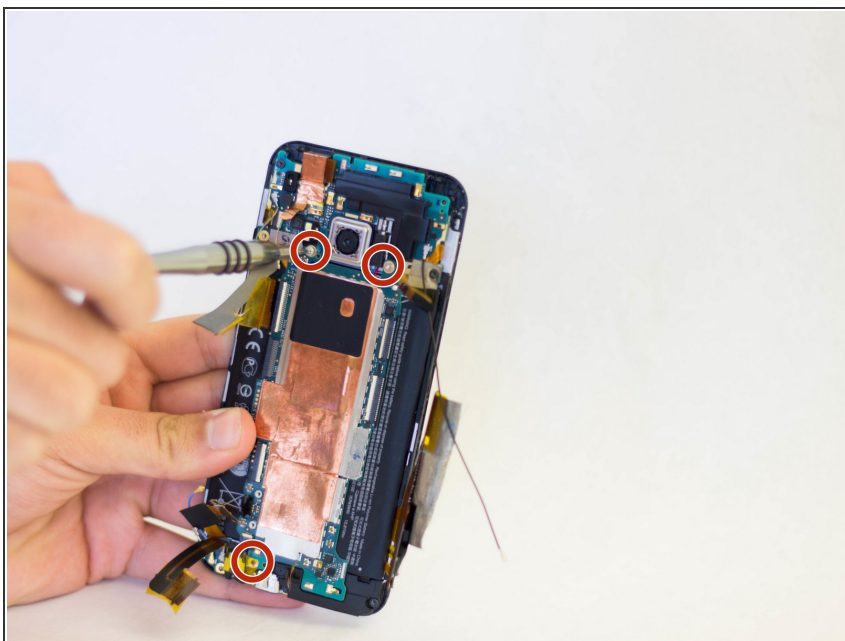
ⓘ The third ZIF connector is mostly underneath the motherboard. When reassembling your device, make sure it is placed back underneath.

## Step 11



- Remove the dual LED flash cover.
- Use a pair of tweezers to disconnect the two antenna cables.

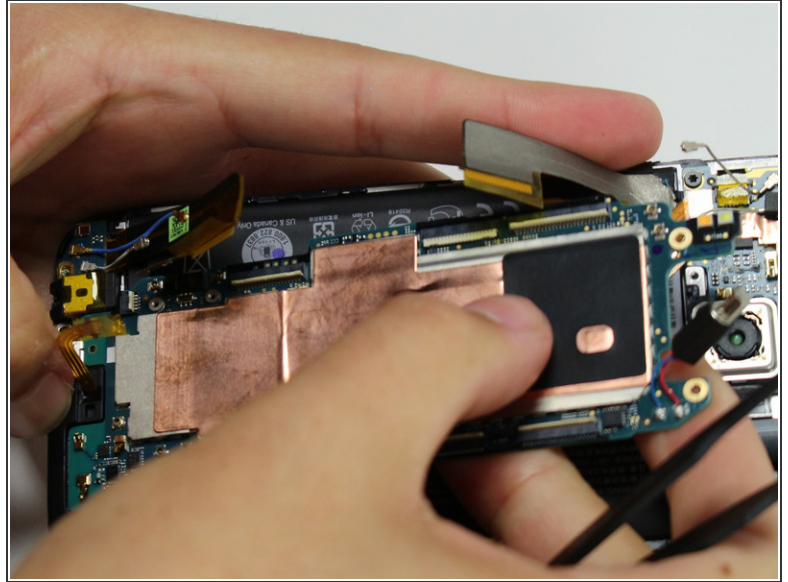
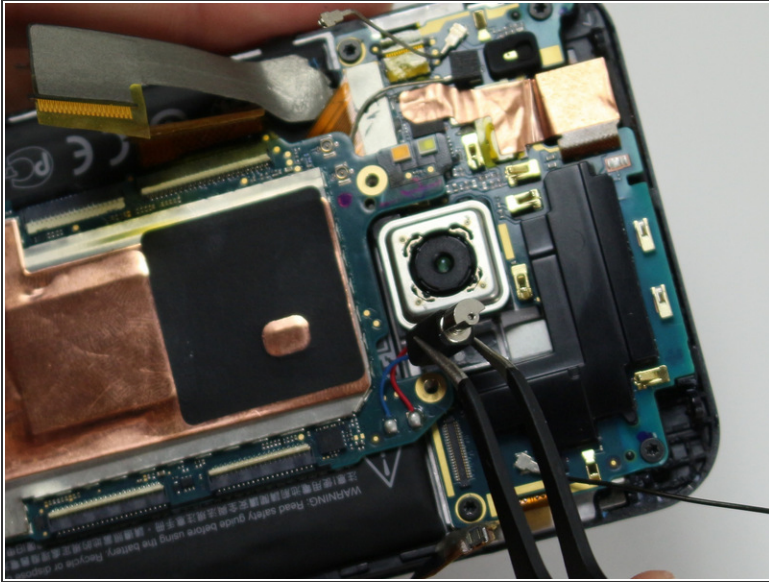
## Step 12



- Remove the three 4 mm T5 Torx screws securing the motherboard.

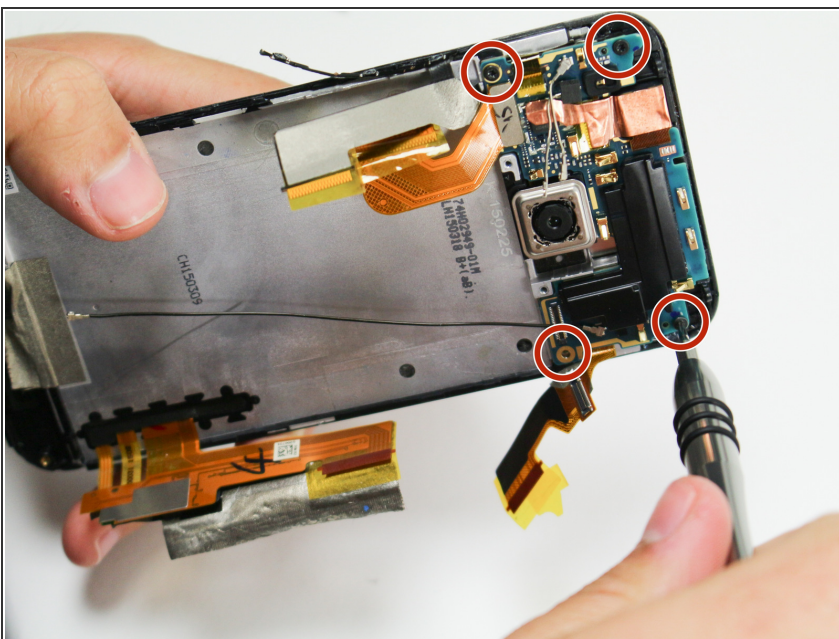


## Step 13



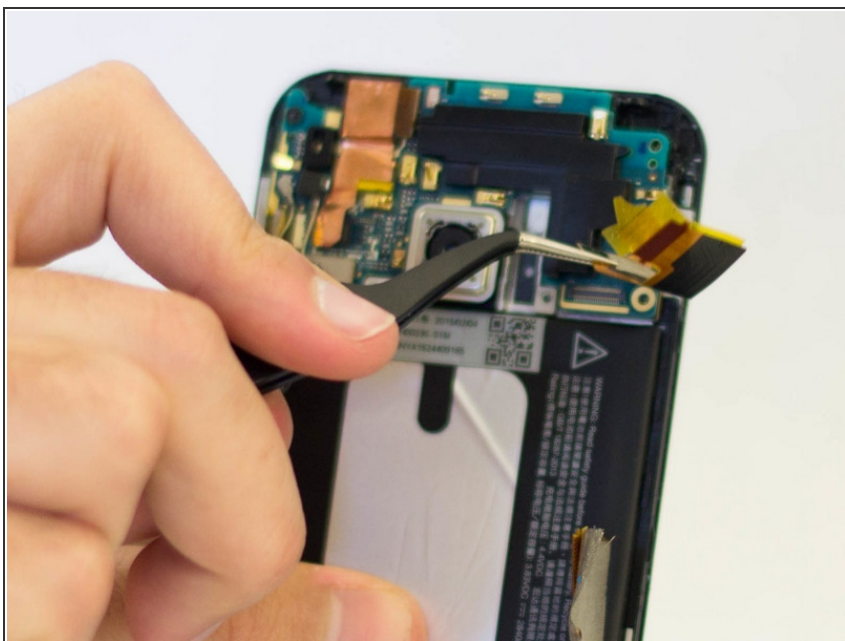
- Use a pair of tweezers to gently lift the vibrator off of the motherboard.
- Use a plastic opening tool or your hands to pry the motherboard out of the case.
- ❗ The motherboard is secured with adhesive, so you may need to use an iOpener or heatgun to loosen the adhesive. Refer to the [iOpener guide](#) for info on this.

## Step 14 — Rear Facing Camera



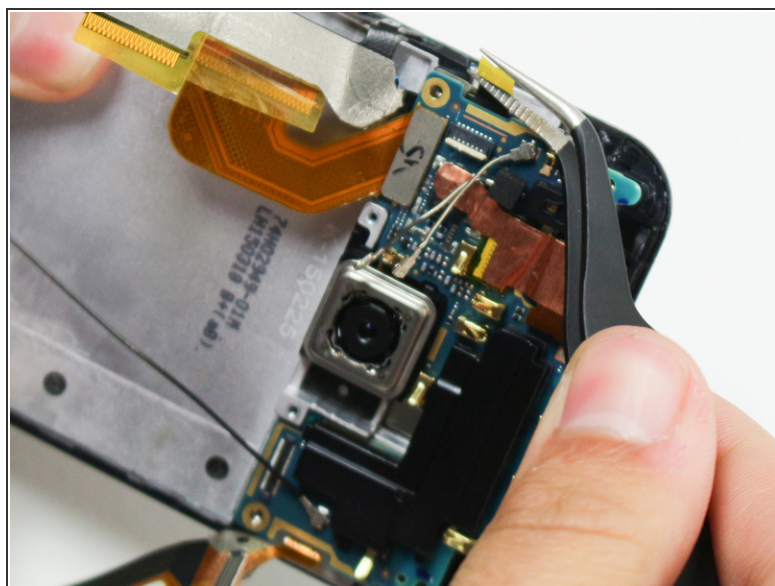
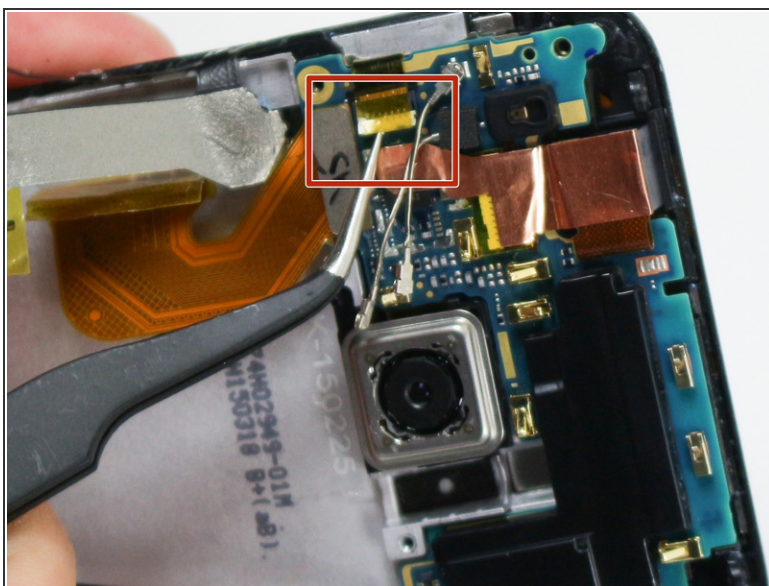
- Remove the four 3 mm T5 Torx Screws that hold down the upper camera chip.

## Step 15



- Using the tweezers, remove the pictured electrical ribbon.

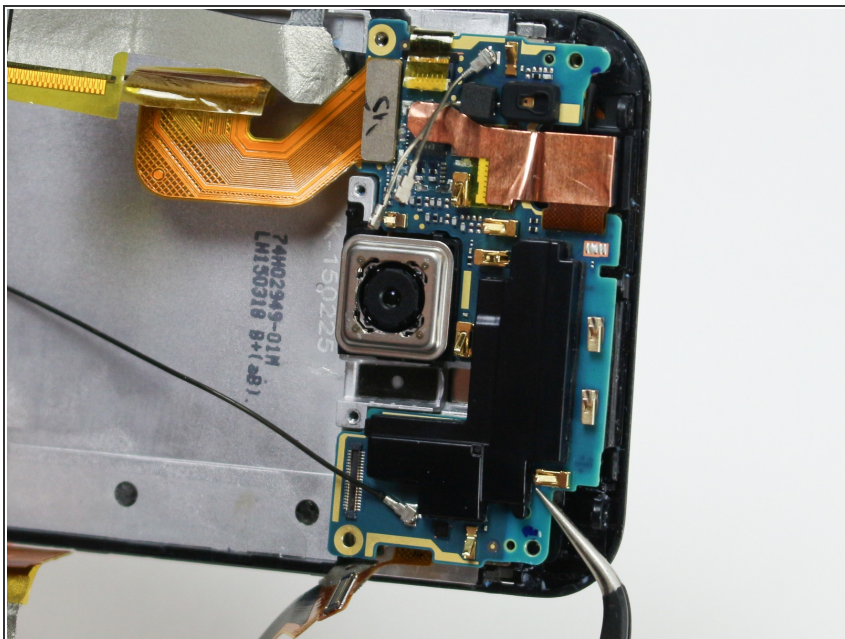
## Step 16



- Using tweezers, disconnect the electrical ribbon on the camera chip.

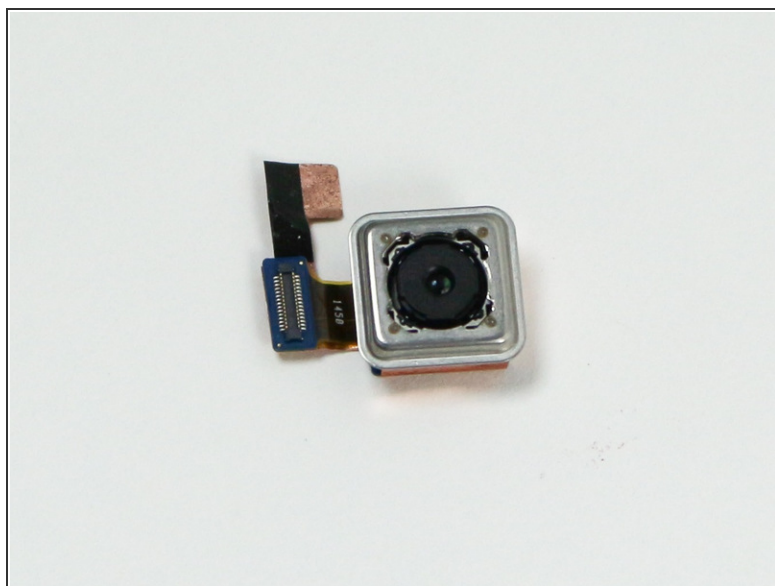
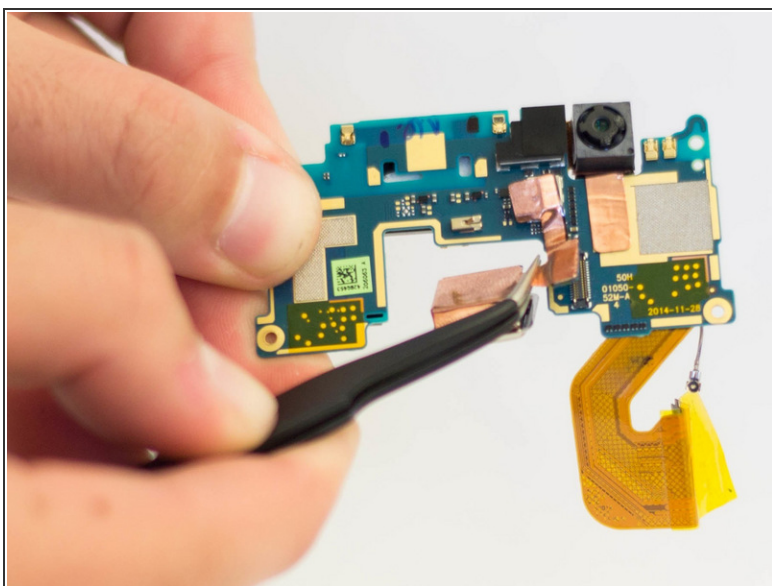


## Step 17



- Using the tweezers, remove the camera chip from the device.

## Step 18



- Flip the removed chip over and use the tweezers to remove the back camera from the back of the chip by applying upward force to the ribbon connection.

To reassemble your device, follow these instructions in reverse order.



